

## CLAIMS

What is claimed is:

1. An optical fiber light source for a flower display in a vase comprising:
  - a vase having an open end and a closed end, said closed end forming a chamber for retaining water in said vase;
  - at least one flower at least partially in said chamber of said vase, said at least one flower having petals and a stem, said stem being in said water in said chamber in said vase;
  - a waterproof housing submerged in said water in said chamber in said vase having
    - a power source;
    - a light source driven by said power source to emit light; and
    - at least one optical fiber extending from said housing to adjacent to or among said petals of said at least one flower, said at least one optical fiber having a distal end and a proximal end, said proximal end receiving light emitted by said light source, said optical fiber transmitting said light and said distal end emitting said light to illuminate said at least one flower.
2. The optical fiber light source for a flower display in a vase of claim 1 wherein said light source is at least one light emitting diode.
3. The optical fiber light source for a flower display in a vase of claim 1 further comprising:
  - a switch to turn said light source off and on.
4. The optical fiber light source for a flower display in a vase of claim 1 further comprising:
  - a control circuit for said light source to pattern the emission of said light from said light source and the illumination of said at least one flower.
5. The optical fiber light source for a flower display in a vase of claim 1 further comprising:
  - a switch to turn said light source off and on; and
  - wherein said light source is at least one light emitting diode.

6. The optical fiber light source for a flower display in a vase of claim 1 further comprising:
  - a switch to turn said light source off and on;
  - a control circuit for said light source to pattern the emission of said light from said light source and the illumination of said at least one flower; and
  - wherein said light source is at least one light emitting diode.
7. The optical fiber light source for a flower display in a vase of claim 1 wherein said light source is a laser or a light bulb.
8. The optical fiber light source for a flower display in a vase of claim 1 wherein said light source is a plurality of light emitting diodes.
9. The optical fiber light source for a flower display in a vase of claim 8 wherein said at least one optical fiber is a plurality of optical fibers and each of said plurality of light emitting diodes emits light to be received by all of said plurality of optical fibers.
10. The optical fiber light source for a flower display in a vase of claim 8 wherein said at least one optical fiber is a plurality of optical fibers divided into different groups of optical fibers and each of said plurality of light emitting diodes emits light to be received by only a different group of optical fibers.
11. The optical fiber light source for a flower display in a vase of claim 8 wherein each of said plurality of light emitting diodes emit light having a color, and said plurality of light emitting diodes emit light of at least two different colors.
12. The optical fiber light source for a flower display in a vase of claim 1 wherein said at least one optical fiber is colored to illuminate said at least one flower with colored light.

13. The optical fiber light source for a flower display in a vase of claim 1 further comprising:  
a colored filter positioned between said light source and said at least one optical fiber to color said light emitted by said light source received by said proximal end of said at least one optical fiber to illuminate said at least one flower with colored light.
14. An optical fiber light source for a flower display in a vase comprising:  
a vase having an open end and a closed end, said closed end forming a chamber;  
at least one flower at least partially in said chamber of said vase, said at least one flower having petals and a stem;  
a housing in said chamber in said vase having  
a power source;  
a light source driven by said power source to emit light; and  
at least one optical fiber extending from said housing to adjacent to or among said petals of said at least one flower, said at least one optical fiber having a distal end and a proximal end, said proximal end receiving light emitted by said light source, said optical fiber transmitting said light and said distal end emitting said light to illuminate said at least one flower.
15. The optical fiber light source for a flower display in a vase of claim 14 further comprising:  
a switch to turn said light source off and on; and  
wherein said light source is at least one light emitting diode.
16. The optical fiber light source for a flower display in a vase of claim 14 wherein said chamber retains water, said stem of said at least one flower being in said water in said chamber in said vase, said housing being waterproof, and said housing being partially submerged in said water in said chamber in said vase.
17. The optical fiber light source for a flower display in a vase of claim 16 further comprising:  
a switch to turn said light source off and on; and  
wherein said light source is at least one light emitting diode.